

### 90.305.3 Standard Test Stand Features

- Quick, easy and accurate method for gauging the internal pressure of DADCO Nitrogen Gas Springs
- Indirect gauging with load cells, no nitrogen lost
- Load bearing slide adjustable in eleven 51 mm (2") increments
- Jack ram extends 95 mm (3 1/4") including 25 mm (1") extension screw adjustment
- Accommodates DADCO Nitrogen Gas Springs through 203 mm≈8" of stroke length and up to 107 kN (12 tons) of force (See chart for models)
- Furnished with mounting holes in the base for M10 or 3/8" screws

Test Stand Compatibility		
Series	Model	Stroke (mm)
Micro	C.045 – C.250	7 – 200
LJ / L	LJ.300 – LJ.750 / L.300 – L.750	6.3 – 125
<b>Ultra Force®</b>	U.0175 – U.6600	7 – 125
UH	UH.0400 – UH.6600	10 – 125
UT	UT.1000 – UT.6600	12.5 – 125
<b>Ultra Force Extended®</b>	UX.0800 – UX.6600	12.5 – 200
90.10 / 90.10RX	90.10.00500 – 90.10.07500 / 90.10RX.03000 – 90.10RX.07500	12.5 – 200
90.8	90.8.00750 – 90.8.07500	12.5 – 200
90.5B2	90.5B2.01500 – 90.5B2.03000	12.5 – 200
SCR	SCR.00500 – SCR.03200	10 – 80
SC	SC.00420 – SC.07500	10 – 50

If your model and stroke are not listed here you may use an arbor press.



Note: 90.305.3 dimensions are H = 991 mm, W = 305 mm, D = 229 mm  
Not designed for use as an arbor press.

### Standard Load Cells

DADCO's analog load cells may be used to check the internal pressure of a nitrogen gas spring to quickly determine if the gas spring is charged to the desired pressure.



Please refer to bulletin B16119A for more details.

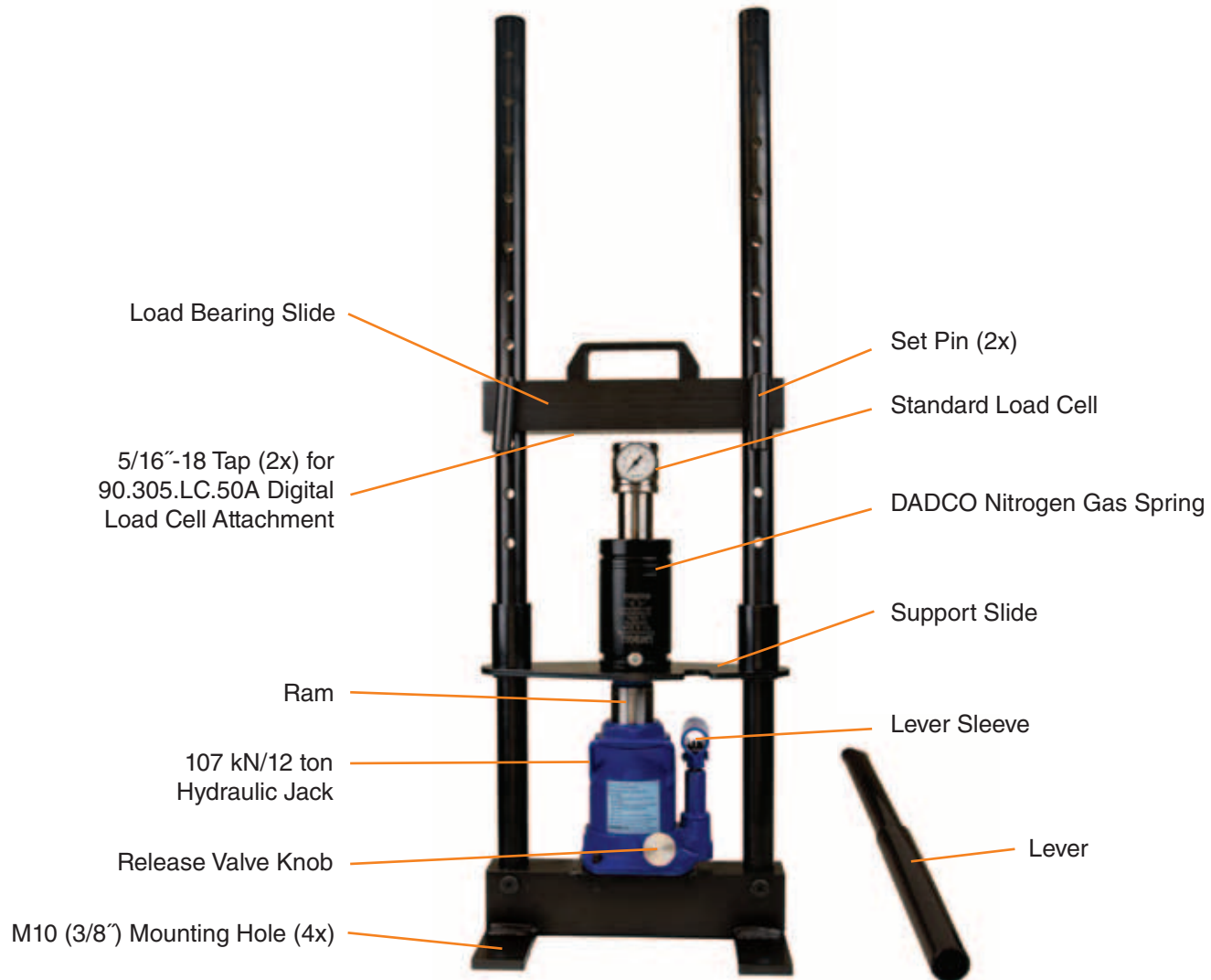
### Digital Load Cells

DADCO's Digital Load Cells and Meter may be used with the Standard Test Stand to measure nitrogen gas spring pressure. The 90.305.BGA meter can display force in N, Kg or lbs. When paired with the 90.305.LC.05A load cell it may be used to measure force up to 22 kN (5,000 lbs). When paired with the 90.305.LC.50A load cell it may be used to measure force up to 222 kN (50,000 lbs). For more information request bulletin B04106E.



B16112A

**Standard Test Stand – 12 ton**



**Operation**

*Please follow the guidelines below for proper operation:*

1. Release the jack's ram to its lowest position by opening the release valve knob slowly counterclockwise.
2. Remove the set pins and clear the load bearing slide to accommodate the nitrogen gas spring.
3. Center the nitrogen gas spring on the support slide and place load cell on top of the rod.
4. Lower the load bearing slide to the next height adjustment position above the load cell and reinsert set pins.
5. Close the release valve knob clockwise.
6. Using the lever supplied with the test stand, pump the jack until the spring and load cell are fully loaded (compress no more than 2 mm or 1/16" for accurate reading). After releasing the pump lever the needle will fall back slightly on the load cell.
7. Read the load cell to determine the nitrogen gas spring pressure.
8. Open the release valve knob counterclockwise and remove load cell and nitrogen gas spring.

**Maintenance**

- Keep slide rods and set pins lightly lubricated.
- Check oil level at filter plug on left side of jack, add hydraulic jack oil if necessary.
- Keep jack clean, occasionally lubricate screws and pivot points.
- Retract ram when not in use.